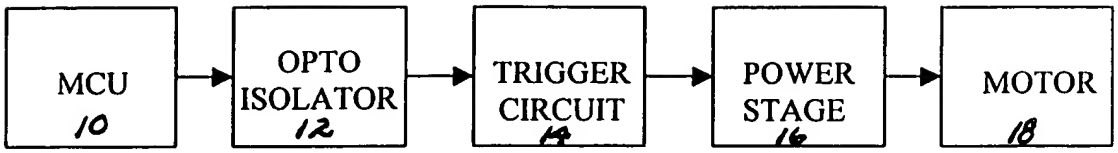


FIG. 1

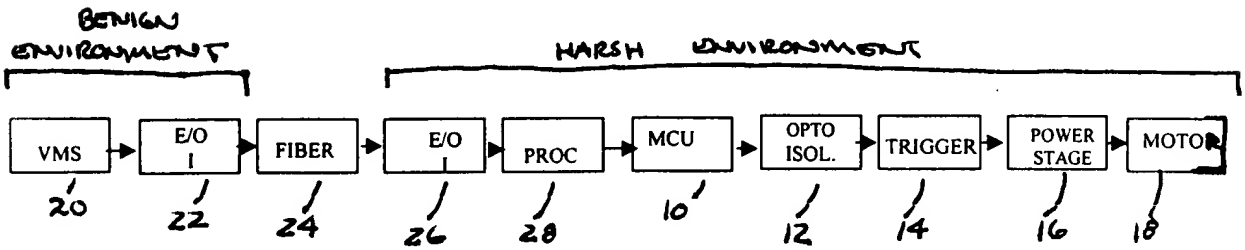


FIG 2

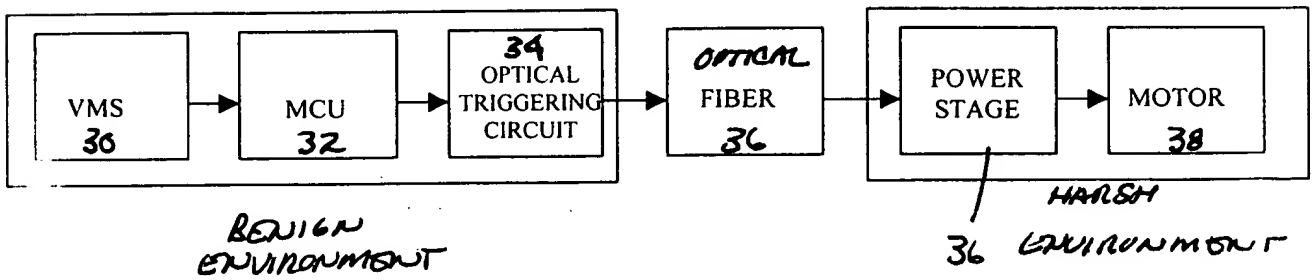


FIG. 3

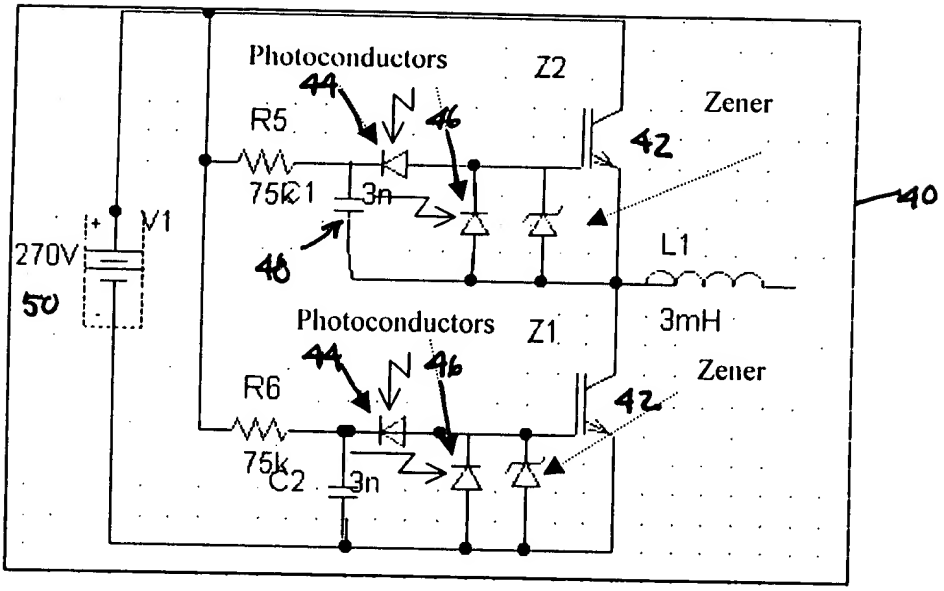


FIG. 4

LASER ENERGY AND POWER REQUIREMENTS		PHOTOCONDUCTOR STRUCTURE			
		DIODE		THYRISTOR	
		ON	OFF	ON	OFF
LASER PULSE ENERGY (μJ)		1.37	1.05	.0145	.009
LASER POWER	PEAK (w)	27.4	3.3	.291	.003
	AVERAGE (mw) @100kHz	137	100	1.45	.091

FIG. 5

EG&G C30808E

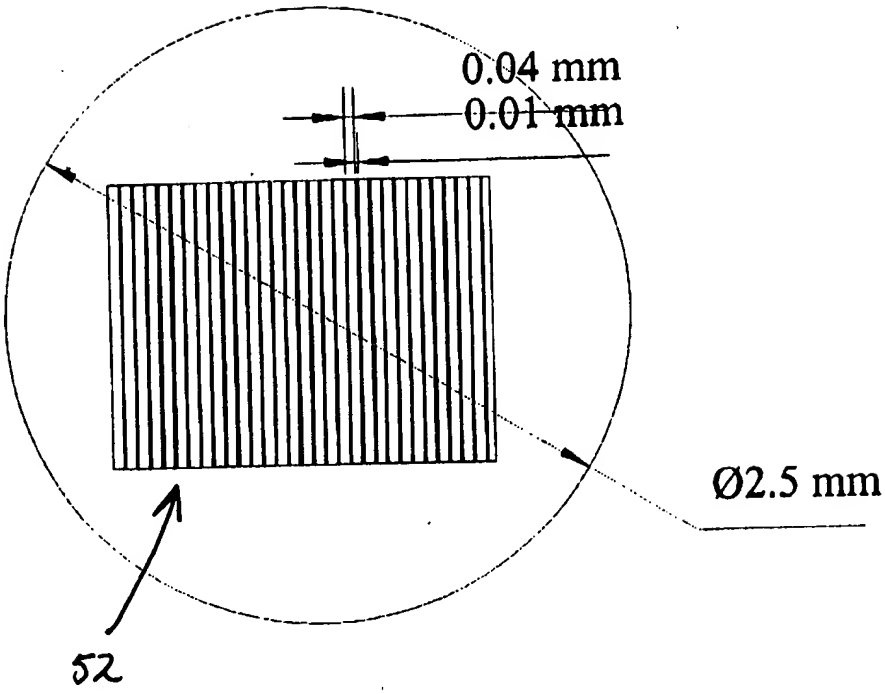
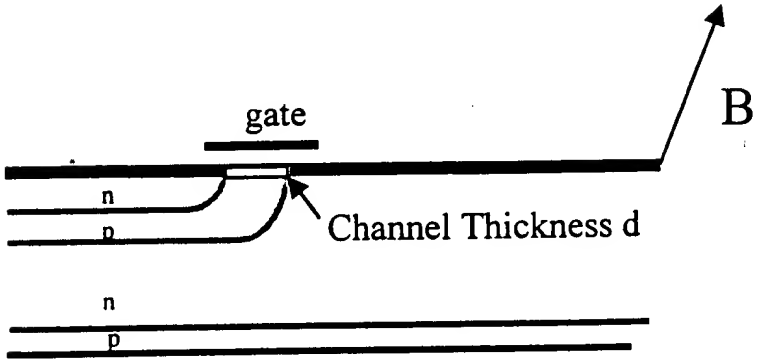


FIG. 6



$n\,d = \varepsilon_{ox} \bullet (E_{ox})/e \approx 10^{16} \bullet 10^{-4}$

@E=1.5MV/cm, epsilon=2

$\frac{I}{} = Jd = 0.3A/cm$ @ $V_d = 10^6$ cm/s

FIG. 7

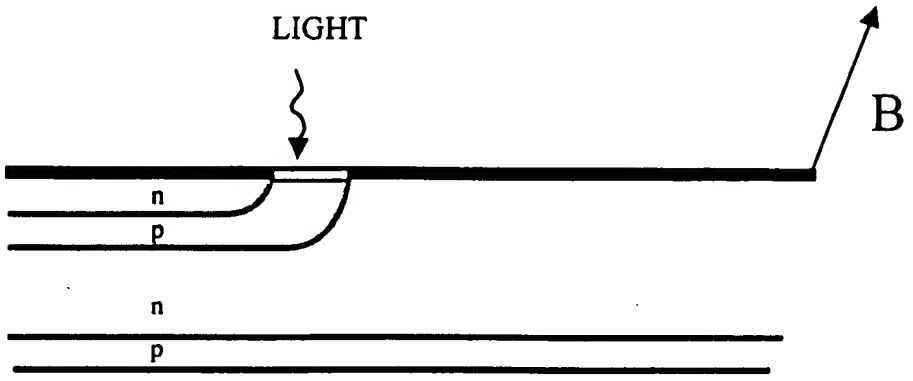


FIG. 8